

CLAIM AMENDMENTS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-10 (canceled).

Claim 11 (currently amended). An information transmission system for a tire pressure measuring system of a motor vehicle having a vehicle body and tires, the information transmission system comprising:

a plurality of transmitters each having at least one transmitter coupling element emitting primarily an electric near field;

an infrastructure body having an electrically conducting conductor element electrically insulated from ground, said conductor element coupling in the electric field emitted by said transmitter coupling element; and

a central receiver having a receiver coupling element coupling out the electric field from said conductor element;

said conductor element being a part of the vehicle body of the motor vehicle and each tire of the motor vehicle has one of said transmitters disposed therein, and said central receiver disposed on the vehicle in a vicinity of said

conductor element;

wherein said transmitter coupling element does not contact said conductor element.

Claim 12 (original). The information transmission system according to claim 11, wherein said conductor element is connected for directly coupling the electric field into said conductor element.

Claim 13 (original). The information transmission system according to claim 11, wherein said conductor element is disposed for coupling the electric field into said conductor element by capacitive coupling.

Claim 14 (original). The information transmission system according to claim 11, wherein said conductor element is made of a substantially homogeneous material, and an electrical conductivity of said conductor element is time-invariant.

Claim 15 (original). The information transmission system according to claim 11, wherein said conductor element has an electrical impedance with respect to ground potential.

Claim 16 (original). The information transmission system according to claim 11, wherein said conductor element is an unbalanced conductor element

configured to utilize ground potential as a return line for transmission of information.

Claim 17 (original). The information transmission system according to claim 11, wherein the electric field is modulated with information to be transmitted.

Claim 18 (original). The information transmission system according to claim 17, wherein a carrier frequency lies approximately between 5 MHz and 50 MHz.

Claims 19-21 (canceled).

Claim 22 (new). The information transmission system according to claim 11, wherein: the ground is a ground surface supporting the tires of the motor vehicle; and said plurality of transmitters and said central receiver are capacitively coupled to the ground surface supporting the tires of the motor vehicle such that a closed circuit is formed by said plurality of transmitters, said central receiver, said infrastructure body, and the ground surface.